

## QUARTERLY PROGRESS REPORT

<b>Project Title:</b>	Technology Transfer Projects		
RFP NUMBER: 2001-05-06-07		NJDOT RESEARCH PROJECT MANAGER: Anthony Chmiel	
TASK ORDER NUMBER/Study Number: RF CUNY 17		PRINCIPAL INVESTIGATOR: Neville A. Parker	
<b>Period Starting: January 1, 2002</b> (Start Date of Study)		<b>Period Ending: September 30, 2002</b>	

Task	% of Total	% of Task this quarter	% of Task to date	% of Total Complete
Literature Search	5	4	99	4.9
Part A – Energy Absorbing Fender Systems	25	56.6	96.6	24.2
1. Identify Current Barrier Systems	(8)	(5)	(100)	
2. Identify State-of-the-Art Systems	(8)	(65)	(95)	
3. Rate Designs Based on Cost/Benefit Analysis	(9)	(95)	(95)	
Part B – Precast/Prefab BDS	25	0.1	30.1	7.5
1. Compile List of Precast/Prefab BDS	(6)	(0)	(95)	
2. Provide Performance History	(6)	(30)	(60)	
3. Conduct Cost Comparisons	(6)			
4. Generate Life Cycle Cost Analyses	(7)			
Part C – Smart Bridges	25	56.6	96.6	24.2
1. Identify Smart Bridge Installations	(8)	(5)	(100)	
2. Evaluate Strengths and Weaknesses	(8)	(65)	(95)	
3. Recommend Improved Designs	(9)	(95)	(95)	
Final Report	20	0	0	
<b>TOTAL</b>	<b>100%</b>			<b>60.8%</b>

1. Progress this quarter by task:

- Literature Search
  - Continuation of literature and product search; 10 additional references identified.
- Tasks 1:
  - Part A: Identification of current barrier systems substantially completed.

- Part B: Compilation of precast/prefab bridge deck systems substantially completed.
  - Part C: Identification of smart bridge installations completed.
  - Tasks 2:
    - Part A: Identification of state-of-the-art systems substantially complete
    - Part B: Performance history – not yet completed
    - Part C: Evaluation of strengths and weaknesses substantially complete
  - Tasks 3:
    - Part A: Cost/Benefit analysis of designs substantially complete
    - Part B: Cost comparisons precast/prefab systems – not yet completed
    - Part C: Recommendations for improved designs and installations substantially complete
  - Tasks 4:
    - Part B: LCC analyses -- not yet completed
2. List of deliverables provided in this quarter by task (September 30, 2002):
- Tasks 2,3,4: Draft Technical Memorandum covering tasks 2 and 3 for parts A and C.
3. Progress on Implementation and Training Activities: NA
4. Problems/Proposed Solutions: Subcontract with UIC has not yet been executed, due to dispute over legal language regarding liability. This has hampered the flow of funds from UIC to support the graduate research assistant assigned to the project, and as a result minimal progress on Part B. It is expected that this will be settled by October 4, 2002.

#### 6. Budget Summary

Total Project Budget – NJDOT Share (#1 of years)	\$70,000
Total Project Expenditure to date	\$35,583
% of Total Project Budget Expended	50.83
Task Order Number/Study Number:	RF CUNY 17
Current Task Order Budget – NJDOT Share(#1 of years)	\$70,000
Actual Expenditure to date against current task order	\$35,583
% of current task order budget expended	50.83

Note: \$17,000 actually billed to date

7. Other:  
NA